

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000794**Date Inspected:** 05-Nov-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China

|                                    |         |                     |                      |   |
|------------------------------------|---------|---------------------|----------------------|---|
| <b>CWI Name:</b>                   | N/A     | <b>CWI Present:</b> | Yes                  | No  |
| <b>Inspected CWI report:</b>       | Yes     | No                  | N/A                  | <b>Rod Oven in Use:</b> Yes No N/A          |
| <b>Electrode to specification:</b> | Yes     | No                  | N/A                  | <b>Weld Procedures Followed:</b> Yes No N/A |
| <b>Qualified Welders:</b>          | Yes     | No                  | N/A                  | <b>Verified Joint Fit-up:</b> Yes No N/A    |
| <b>Approved Drawings:</b>          | Yes     | No                  | N/A                  | <b>Approved WPS:</b> Yes No N/A             |
|                                    |         |                     |                      | <b>Delayed / Cancelled:</b> Yes No N/A      |
| <b>Bridge No:</b>                  | 34-0006 | <b>Component:</b>   | Plate Material MTR's |   |

**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector Timothy McClendon arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China to periodically monitor welding and Quality Control (QC) functions. While on site the QA Inspector observed and/or discovered the following.

Plate Material Storage Yard (check samples):

Quality Assurance (QA) Inspector McClendon received plate material list for Caltrans check test samples, plate list No.22~31 (second batch) received from American Bridge/Fluor (ABF). QA Inspector McClendon went to the ZPMC plate material storage yard accompanied by ZPMC Quality Control Shen Xue jun. QA Inspector McClendon verified, plate ID #, Grade, Batch # and material test reports. QA Inspector McClendon wrote lot numbers and marked the direction of rolling on each of the 10 samples. Caltrans lot numbers for check samples are as follows.

No. 22, ID#070206Q226, Grade A709M-345F2-X, Batch No. A702428, MTR No. A44152, Remarks-SPCM, Lot No. B94-006-07.

No.23, ID#070416Q040, Grade A709M-345F2-X, Batch No. A706684-2, MTR No. 1265, Remarks-OBG, Lot No. B94-007-07.

No. 24, ID#070416Q161, Grade A709M-345F2-X, Batch No. A709325, MTR No. 1888, Remarks-OBG, Lot No. B94-008-07.

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No. 25, ID#NG070514G159, Grade A709M-345F2-X, Batch No. 071015530202, MTR No. 3344,  
Remarks-SPCM, Lot No. B94-009-07.

No. 26, ID#NG070515G078, Grade A709M-345F2-X, Batch No. 072016586101, MTR No. 3335, Remarks-OBG,  
Lot No. B94-010-07.

No. 27, ID#070306Q124, Grade A709M-345F2-X, Batch No. A704045, MTR No. 381, Remarks-OBG, Lot No.  
B94-011-07.

No. 28, ID#070206Q231, Grade A709M-345F2-X, Batch No. A702264, MTR No. A44153, Remarks-OBG. Lot  
No. B94-012-07.

No. 29, ID#070416Q163, Grade A709M-345F2-X, Batch No. A703316, MTR No. 3089, Remarks-OBG. Lot No.  
B94-013-07.

No. 30, ID#070416Q172, Grade A709M-345F2-X-S, Batch No. A709352, MTR No. 1772, Remarks-OBG. Lot  
No. B94-014-07.

No. 31, ID#070506Q181, Grade A709M-345F2-X-S, Batch No. A710855-2-1, MTR No. 1721, Remarks-OBG.  
Lot No. B94-015-07.

The above lot numbers were written on the each check sample along with an arrow showing the direction of  
rolling.

The lot numbers, date, batch/heat numbers, plate type/grade and plate thickness were all entered on the Caltrans  
check sampling tracking log for Caltrans Project 04-0120F4. Mr. Shen informed QA Inspector McClendon that  
the check samples will be sent to Shanghai Testing Lab tomorrow.

### Summary of Conversations:

No relevant conversations spoken on this day.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose  
of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or  
remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials  
for your project.

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| <b>Inspected By:</b> | McClendon,Timothy | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | Cuellar,Robert    | QA Reviewer                 |

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